

Title (en)

A soundproof box for a centrifugal fan

Title (de)

Schalldichtbehälter für einen Radiallüfter

Title (fr)

Box d'insonorisation pour un ventilateur radial

Publication

**EP 2336574 A1 20110622 (EN)**

Application

**EP 10015815 A 20101220**

Priority

IT TO20091018 A 20091221

Abstract (en)

A soundproof box for a centrifugal fan, comprising a support frame (201) adapted to support a motor (M) of the fan on one side and to support a scroll (C) of the fan on the other side; a soundproof motor covering (20) applied on the support frame and adapted to surround the motor; and a soundproof scroll case (30), separated from the motor covering and adapted to contain the scroll, such a scroll case having a substantially prismatic shape and comprising a pair of terminal walls (301) and a plurality of sidewalls (303) mounted between the terminal walls. The scroll case can be selectively mounted according to a plurality of different angular orientations with respect to the support frame, around the axis of rotation of the fan wheel, which correspond to respective angular orientations of the scroll.

IPC 8 full level

**F04D 29/42** (2006.01); **F04D 29/62** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)

**F04D 29/4226** (2013.01); **F04D 29/626** (2013.01); **F04D 29/664** (2013.01); **F24F 13/24** (2013.01); **F24F 2013/205** (2013.01)

Citation (search report)

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- [A] FR 1327918 A 19630524
- [A] GB 741975 A 19551214 - MATTHEWS & YATES LTD
- [A] US 1163543 A 19151207 - ILG ROBERT A [US]

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FR3064701A1; US2022333799A1; US11885526B2; WO2016177451A1; JP2013181401A

Designated contracting state (EPC)

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Designated extension state (EPC)

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